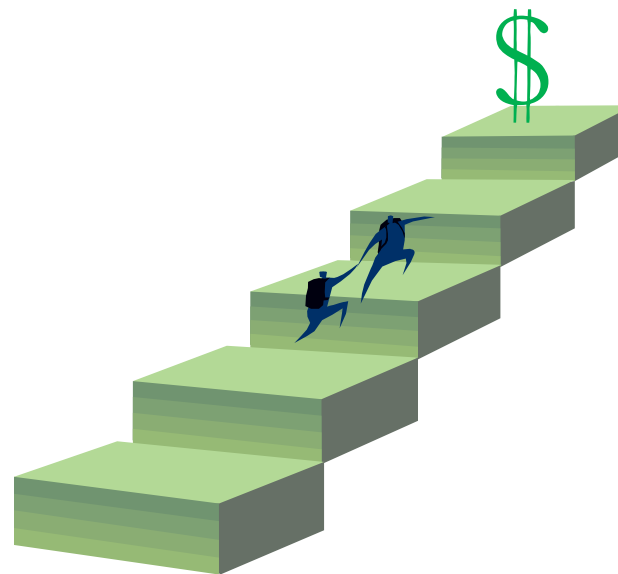




Cube Quest Challenge

Eligibility and Teaming Requirements
Challenge Prizes



Governance

- **Program Goal/Desire**

- Incentivize technology advancements that could be used for NASA, commercial, and academia applications
- Allow as many people/entities to participate
- Inspire future challenges participation

- **Congressional Law**

- National Aeronautics and Space Act of 1958 (42 U.S.C. 2451, et seq.), Section 314

Meet Program Goals but within the letter of the Law



May I Compete in Cube Quest?

- Anyone may participate, except citizens of a country on the designated NASA Export Control Program list (<http://oiir.hq.nasa.gov/nasaecp/>)
- **Prize Award Recipients**
 - Shall be entities incorporated in and maintain a primary place of business in the United States;
 - OR
 - Shall be a United States citizen or permanent resident, whether participating singly or in a group;
 - BUT
 - Shall not be a Federal entity or Federal employee acting within the scope of their employment





Cube Quest Challenge Prizes

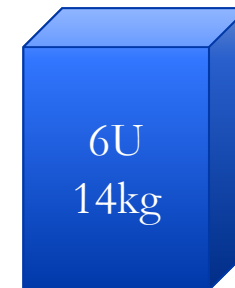
The objective of the Cube Quest Challenge is to design, build, and deliver flight-qualified, small satellites capable of advanced operations near and beyond the moon.

1st / 2nd Prize

- Lunar Derby Prizes
 - Achieve Lunar Orbit \$1.5M (*shared, \$1M max per team*)
 - Error Free Communication
 - Burst Rate \$225k/25k
 - Total Volume \$675k/75k
 - Longevity (*Orbit maintenance needed*) \$450k/50k
- Deep Space Derby Prizes
 - Error Free Communication
 - Burst Rate \$225k/\$25k
 - Total Volume \$675k/\$75k
 - Longevity (*no maintenance needed*) \$225k/\$25k
 - Distance \$225k/\$25k
- Ground Tournaments (GTs) Prizes
 - Four Rounds
 - Approximately Every Six Months
 - Top Five Teams Receive Incremental Funding (max \$100k per team)

Foster innovation in small spacecraft propulsion and communications techniques

Competitor Teams submit a CubeSat with a 6U volume and 14 kg mass limit.



<http://cms.nasa.gov/cubequestchallenge>

\$5.0M Allocated Prize Money



Frequently Asked Eligibility Questions

- **May Foreign Nationals Compete?**

- May Participate as a Team Member But Not as Team Leader
- Some Examples
 - » Student(s) of a United States based Institution (university, college, school)
 - » Employee of a United States based company/entity and “sits” in U.S. office

- **May Service or Component Providers Compete?**

- May Participate as a Team Leader or Team Member
- May contract to more than one team
- Some Examples
 - » A United States based ground service company, MNO, contracts with Teams A and B but is not listed as a Team Member thus not eligible for prize money
 - » A United States based antenna company, GHI, forms and leads Team D. GHI also contracts with Team F to provide an antenna, in return listing GHI as a Team Member

Note: All other eligibility requirements must also be met
Definitions may be found in Challenge Rule Document CCP-CQ-OPSRUL-001



Frequently Asked Eligibility Questions - cont

- **May a Federal Employee or Entity Compete?**

- Federal Employees or Entities (acting within their work scope) may participate, but are not eligible to win prizes
- A Federal Entity may enter a service contract with a Team, only if other Teams may enter a similar service contract. The Federal Entity is not obligated to inform the other Teams of any contract (except when required by law).
- Some Examples
 - » A Civil Servant who researches nano-technology may participate as a Team Leader or Team Member
 - » A Civil Servant who develops propulsion systems for Army Missile and Defense may not participate for prizes
 - » A Federal Research Lab that studies coastal marine life may participate as a Team Leader or Team Member
 - » A Federal Research Lab that develops or tests components for small satellites may not participate for prizes. However, they may procure hardware/services for Teams A and B so long as the contract between them are similar for similar hardware/services.

Note: All other eligibility requirements must also be met
Federal Employees or Entities may not use "Official Hours" for competition efforts



Frequently Asked Eligibility Questions - cont

- **May a Government Contracted Employee Compete?**

- A U.S. Contracted Employee or Entity may not participate if acting within the contract scope and physically located at a Federal Facility
- Some Examples
 - » Company HIG has a U.S. Contract for Ion Propulsion. They may not participate as a Team Leader. They may enter an agreement or contract with a Team, but are not eligible for prize money.
 - » Company TRST has a U.S. Contract for CubeSat Dispensers. They may participate as a Team Leader or Member.
 - » An Army contractor is developing radiation protection, but does not reside at the contracted facility. They may participate as a Team Leader or Member.

Note: All other eligibility requirements must also be met
Federally Contracted Employees or Entities may not use “Official Hours” for competition efforts



Summary

- **Challenge Governance Driven by Space Act**
- **Up to \$5 Million for Ground Tournaments and In-Space Derbies**
- **Competitions**
 - Eligibility meant to encourage participation from non-traditional sources
 - Anyone may participate, except citizens of a country on the designated NASA Export Control Program list
 - Prize recipients must be U.S. Citizens or U.S. based Entities, and must not be Federal or Contracted Employees/Entities working within scope
 - Speak with, or write to, Program Managers for questions on specific cases

